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OSA-3467-64  
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22 July 1964

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report - Visit to E-K, Rochester  
15 July 1964 (EB 1492 CCB Meeting)

1. Government Representatives at meeting:

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2. Contractor Personnel:

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3. First agenda item was the Yardley processor (frame by frame processor using viscous developers for secondary and tertiary stages.)

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a. [redacted] requested time to get mod kits for existing Trenton machines. [redacted] and [redacted] stated about six to eight months after go-ahead. They strongly recommended awaiting some operational experience on the prototype Yardley, to reduce amount of retro-fit in mod kits.

b. The Yardley now has about 150 hours of test; E-K wishes 500 hours test prior to operational use. For this test running, E-K would like to have about 20,000 feet of film per month. The test film should be largely terrain material, and such that quality degradation caused by Yardley malfunction would not be serious.

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c. The sensitometry on the Yardley matches quite closely that of the Trenton chemistry.

d. [REDACTED] requested that a copy of PAR-16 be sent to [REDACTED]. This was agreed to, and copy will be supplied.

4. Following discussions on Yardley (PAR 16), the overall program was taken up in numerical order:

PAR-1: This was item for development of roll handling on printer; the item is closed, EK recommending against this mod except in special cases. However, [REDACTED] had requested that the prototype be sent to them for use. This was approved.

PAR-5: Mechanized densitometer: This is very active at present, because of the increasing requirement for D-min - D-max reporting.

PAR-7: This is sort of a catch-all for small jobs. Clarification was requested regarding future inclusion of small items under this PAR. While no definite statement was made, it is my impression that all felt that the small items should be included as sub-PAR's to 7.

PAR-8: Frame coding and detecting: This is an item for placing machine readable data on film, and reading this data. This is applicable to the Mod II titler and the Frame x Frame printer.

PAR-9: Frame detector and counter: This system detects edges of frames; it will apparently give counts good to one or two frames; adequate for searching rolls for specific frames. Because of inter-frame format of G, it will not work on G photos. This, like PAR 8, is for use with Frame by Frame Printer.

PAR-11: Unsharp Masking: The final report on this PAR is now being published. There was considerable discussion whether further work on this belongs on "Production Equip. R&D" (EB 1492) or Exploration Equip. R&D (AL-14). As an assistance in resolution of this problem, copies of the final report should be circulated among customers. [REDACTED] at NPIC is to get 10 copies; [REDACTED] is to get 4 copies for circulation. We need to assure expeditious feed-back of responses.

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PAR-12: Micro-target camera: At present, targets of [REDACTED] are being consistently recorded, with occasional response up to [REDACTED]

The Snowflake processor (70 mm predecessor to the Yardley) (see above) is now in final testing phases. It will be used for additional tests on the all-viscous systems (PAR-53?), not for operational materials.

PAR-19: Now part of PAR-24.

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PAR-22: Mod II is in FY-65 Budget. A discussion of the "Gold Treatment" was interspersed here. The basic problem is the slow degradation of archival material by the growth of "red spots." This was first observed in micro-file material. [REDACTED] stated that investigation was of highest priority. He would "open up vaults at NPIC" for this investigation. The problem has been arrested, in micro-file; with a gold chloride (AuCl<sub>3</sub>) wash.

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PAR-25: The edge trace measurements being done for performance evaluation work, mostly under aegis of [REDACTED] at NPIC. Current cost is about [REDACTED] per mission. Coordination of [REDACTED] requirements is to continue through CCB. While this is currently almost routine production, we will continue to support on EB 1492 as easiest contractual vehicle.

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(Note: It was commented that combined EG-400, EB 1492 is now more or less approved at [REDACTED] over original Halloran program.) New PAR's discussed, approval to proceed on 8 PAR's. PAR-55 is to be rewritten, comments on agent usage, etc. of Bi Mat to be deleted. The flat bed printer is to have a range of frame sizes from 9 X 18 to 2 1/4 X 2 1/4; a new PAR was requested for this printer. In addition, a study was requested on the dual printing problem (satellite missions are now being partially printed at two levels for full information reproduction. This has been as high as 60%, but generally less than 10%.)

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APD/OSA [REDACTED] MYP (22 Jul 84)

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